

# $J Y f Y ] b ] [hY < U[Y ] Y f g] W Y f i b ['] b ; ] Y » Y b g i W h <math>\dashv$ G Y f j ] W $\prime$ 8 Y g $_$ 5 [ Y b h

8]Y'JYfY]b][hY'<U[Y'jYfg]WXYfib[']b'; ]Y»Yb'gi WXh'Y]bYb' $\pm$ H GYfj]WY'8Yg\_'5[Ybh'fa #x#X $\pm$ ']b'Jc'`nY]h'ni f'I bhYfghØhni b[ XYg' $\pm$ H!HYUa g"

± XYf`\Yi h][Yb`X][]hU`Yb`K Y`h`gd]Y`h`X]Y ±H`Y]bY`YbhgWXY]XYbXY
Fc``Yži bX`Y]bY`YZZY\_h]j Y`I bhYfghØhni b[Xi fWX`Y]b`ni j Yf`Àgg][Yg
±H!HYUa '\_Ubb`XYb`9fZc`[Y]bYg`I bhYfbY\a Ybg`Yf\YV`]WX
VYY]bZi ggYb"8]Y`JYfY]b][hY`<U[Y`j Yfg]WXYfi b[`a]h`G]hn`]b
; ]Y»Ybž'<YggYbž`\Uh`g]WX`X]YgYf`<YfUi gZcfXYfi b[`[YghY``h`i bX
gi WXh`bUWX`Y]bYa '±H`GYfj]WY`8Yg\_`5[YbhYb`fa #k #XŁ`]b`Jc``nY]h"
A]h`X]YgYf`GhY``YbUi ggWXfY]Vi b[`k]fX`gck c\``X]Y`6YXYi hi b[`j cb
±H!:UWX\_fÀZhYb`U`g`Ui WX`XUg`9b[U[YaYbh`XYg`I bhYfbY\aYbg`ZØf
X]Y`Cdh]a]Yfi b[`qY]bYf`hYWXb]qWXYb`±bZfUghfi \_hi f`XYi h`]WX"

#### 6YXYi hi b [ ZØf X]Y 7ca a i b]hm

8]Y'Gi WXY'bUWX'Y]bYa '\(\frac{1}{2}\) W'8Yg\_5[Ybh']gh'b]WX h'bi f'Y]b i bhYfbY\a Ybg]bhYfbYf'GWXf]hhž'gcbXYfb'fYZY\_h]Yfh'Ui WX'X]Y k UWXgYbXY'BUWXZfU[Y'bUWX'\(\frac{1}{2}\) H!8]Ybgh'Y]ghi b[Yb']b'XYf'FY[]cb; ]Y\(\sim Yb''\) 8i fWX'X]Y'GWX UZZi b['X]YgYf'Dcg]h]cb'i bhYfghØhnh'X]Y JYfY]b][hY'<U[Y'j Yfg]WXYfi b['b]WXh'bi f']\fY'Y][YbY'\(\frac{1}{2}\)! 4\(\frac{1}{2}\) TgcbXYfb'Ui WX'X]Y'`c\_U`Yb'5fVY]hga \(\frac{1}{2}\) hY\(\frac{1}{2}\) DXYa 'g]Y \(\frac{1}{2}\) A\(\frac{1}{2}\) \(\frac{1}{2}\) MY b'ZØf'hU`Ybh]YfhY': UWX\_f\(\frac{1}{2}\) MY UZZhž']\fY'? Uff]YfY']a \(6\) fY]WX'\(\frac{1}{2}\) DY f'NY]hž']b'XYf'j ]Y'Y'I bhYfbY\\(\frac{1}{2}\) Y b'b'WX \(\frac{1}{2}\) B'Y'B'UWX \(\frac{1}{2}\) H!GdYn]U`]ghYb'gi WXYb''

GhY``YbVYgWXfY]Vib[

8]YFc``YXYg'+HGYfj]WY8Yg\_'5[Ybhg'i a ZUggh'j YfgWk]YXYbY
5i Z[UVYbž'XUfi bhYf'X]Y': Y\`YfX]U[bcgY'i bX'DfcV`Ya `Ògi b['VY]
hYWkb]gWkYb'<YfUi gZcfXYfi b[Yb"'9]bY'nYbhfU`Y'5i Z[UVY'VYghY\h
Ui Wk']b'XYf'8c\_i a YbhUh]cb'XYf'5bZfU[Yb']b'XYf
K]ggYbgXUhYbVUb\_ž'k Ug'ni f'JYfVYggYfi b['XYf']bhYfbYb'DfcnYggY
VY]hfA[h"'A]hUfVY]hYf']b'X]YgYf'Dcg]h]cb'g]bX'cZh'X]Y'YfghYb
5bgdfYWkdUfhbYf'ZØf'hYWkb]gWkY'I bhYfghØhni b[ž'kUg']\fY
K]Wkh][\_Y]h'ZØf'XUg'I bhYfbY\a Yb'i bhYfghfY]Wkh"

## EiU`]Z]\_Uh]cbYb

#### GhUb X cfh'i b X '8 Ui Yf

## GWX i ggZc [ Yfi b[

8]Y '9bhk ]W\_`i b[ 'Y]bYg'ghUf\_Yb' $\pm$ H!HYUa g']gh'ZØf'I bhYfbY\a Yb'j cb YbhgW\Y]XYbXYf'6YXYi hi b[ ž'i a 'GW\f]hh'a ]h'XYb'ZcfhgW\fY]hYbXYb HYW\bc`c[]Yb'ni '\U`hYb"'8]Y '5i ggW\fY]Vi b[ 'ZØf'X]Y'Dcg]h]cb'XYg  $\pm$ H'GYfj ]WY'8Yg\_'5[Ybhg']b'; ]Y»Yb']gh'Y]b'\_`UfYf'<]bk Y]g'Ui Z'X]Y

k UWkgYbXY'6YXYi hi b['j cb'+!!Fc``Yb']b'XYf'a cXYfbYb; YgWkÀZhgk Y`h''A]h'XYf'f]Wkh][Yb'?ca V]bUh]cb'Ui g'Ei U`]Z]\_Uh]cbYbibX'Y]bYf'dfcU\_h]j Yb'9]bghY``i b['\_ObbYb'6Yk YfVYf'b]Wkh'bi f'HY]`Y]bYg'Yb[U[]YfhYb'HYUa g'k YfXYbž'gcbXYfb'Ui Wk'ni f'X][]hU`YbNi\_i bZh'XYg'I bhYfbY\a Ybg'VY]hfU[Yb"

<]YfVYkYfVYb

i'<]bk Y]g']b'i bgYfYf'8UhYbgW\i hnYf\_`\Afi b[</pre>

B5;

8 YhU]`q

6Ygi WXYb G]Y i bg Ui Z b!U[ "XY